ABSTRACT OF THE INVENTION

An embodiment of the invention provides a method and system for managing and analyzing information obtained from differential expression of genetic information in biological cells. Crisp input data are received from sets of expression

5   data from control and treatment cell-derived samples representing a direction and a magnitude of regulation of each one of a higher number of different genes or proteins. The crisp input data are fuzzified to provide fuzzified values. A set of heuristic rules is applied to the fuzzified values to generate a predicted value of a data point C. The predicted value of the data point C is defuzzified. Finally, a confidence level of the

10   predicted value of C is determined.